

ABSTRACT:

An arrangement is disclosed that enables a mobile device to manage multiple network interfaces in order to be substantially always reachable on the Internet. Wired LAN, Wireless LAN, Wireless PAN and cellular systems are technologies that are employed in the exemplary embodiment described. Scanning of the available
5 network infrastructures is performed by a specific software agent implemented in a mobile device. User mobility profiles, power consumption, cached context information and application requirements are taken into account so that the end user can always communicate through the most appropriate network interface without explicit manual
10 intervention.

Fig. 1

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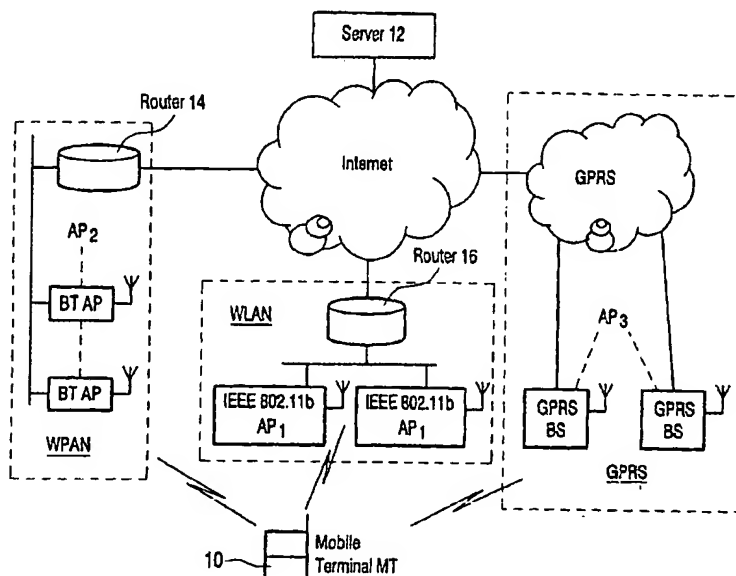
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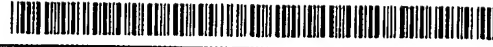
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(54) Title: INTERFACE SELECTION FROM MULTIPLE NETWORKS



(57) Abstract: An arrangement is disclosed that enables a mobile device to manage multiple network interfaces in order to be substantially always reachable on the Internet. Wired LAN, Wireless LAN, Wireless PAN and cellular systems are technologies that are employed in the exemplary embodiment described. Scanning of the available network infrastructures is performed by a specific software agent implemented in a mobile device. User mobility profiles, power consumption, cached context information and application requirements are taken into account so that the end user can always communicate through the most appropriate network interface without explicit manual intervention.

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